



Philadelphia
Engineering Foundation

Promoting Engineering's Future



2020

DELAWARE VALLEY ENGINEERS WEEK

FEBRUARY 13-22, 2020

JOIN US FOR THIS YEAR'S EVENTS (see other side for details)

2020 DELAWARE VALLEY ENGINEER OF THE YEAR *STEPHEN M. HALL, PE*



Stephen Hall has been a leader in pharmaceutical process engineering in the Delaware Valley for over 35 years, a dedicated volunteer focused on STEM education, and as a member of the American Institute of Chemical Engineers (AIChE) for over 47 years, having joined his sophomore year in college. He has mentored in college level and pre-college support programs. Steve's professional career has leveraged his technical know-how with his management training and broad regulatory compliance experience to engineer capital projects for pharmaceutical manufacturers, including facilities that produce breakthrough therapies for diabetes, rheumatoid arthritis, and multiple cancers. He is the Chief Process Engineer at Genesis Engineers at the firm's office in Plymouth Meeting, with responsibilities that include project management, technical leadership, mentoring,

and computerized modelling. Genesis enthusiastically supports professional societies by contributing time and resources that have allowed him to teach classes for the International Society of Pharmaceutical Engineers (ISPE), sit on international committees that develop standards, act as the Treasurer for the Delaware Valley Section of ISPE, publish technical white papers, and contribute to online Community of Practice forums.

Steve received his Bachelor of Science degree in Chemical Engineering from the University of Pennsylvania in 1974 and his MBA from Drexel University in 1982. He is a registered Professional Engineer in Pennsylvania, New Jersey and California. He was selected as the Chemical Engineer of the Year for the Delaware Valley Section of AIChE in 2018. In 2010, he directed a project for a \$200 million plant to manufacture inhaled insulin, which earned two category wins in the international Facility of the Year competition of ISPE. In 2004, two of the three articles he published on the topic of active pharmaceutical ingredients were nominated for the Article of the Year award by ISPE. He was additionally the recipient of AMEC's Award of Excellence, an honor granted to one employee each year, chosen from the firm's 8000 employees in North America.

With a strong record of professional achievement and increasing responsibility, Steve's career includes positions at operating chemical and pharmaceutical companies, engineering service providers, and private consulting. He has additionally been a consistent contributor to the engineering community. He has published more than a dozen papers in *Pharmaceutical Engineering*, *Chemical Engineering Progress*, *Chemical Engineering*, and other publications. He has spoken at numerous local chapter meetings for AIChE, ISPE, and other societies, and has mentored students in their senior design course at Rowan University.

Steve's book, *Rules of Thumb for Chemical Engineers*, now in its 6th edition, offers practical advice, information and mathematical formulas that are used by process and project engineers throughout industry. Readers are welcome to freely download spreadsheets that illustrate the use of algorithms in it. He additionally maintains his personal website, www.pipesizingsoftware.com, where he offers "almost free" software that solves fluid flow and heat transfer problems that are commonly encountered by chemical and mechanical engineers. His customers compliment him for his diligent after-sale support and willingness to share his expertise.

In addition to his busy professional life, Steve finds time to focus on the engineering profession's STEM initiatives, from encouraging young students' interest in science or engineering to supporting the careers of young engineers. He has mentored several chemical engineering co-op students, judged entries to the 2017 Student Paper Award for Delaware Valley Engineers Week, and helped develop the skillsets of colleagues.

Steve and his wife, Barbara Ann, live in Center City Philadelphia. They have two adult sons and two grandchildren.

For more than four decades, Steve has tirelessly embraced his career choice of chemical engineering. He intends to continue learning, leading projects, developing and mentoring new engineers, and sharing his know-how and enthusiasm in his capacity as our 2020 Delaware Valley Engineer of the Year.

2020 DELAWARE VALLEY YOUNG ENGINEER OF THE YEAR

JESSE T. GORMLEY, PE

Jesse Gormley serves as a Project Structural Engineer and Manager with Pennoni at the firm's headquarters in Center City. He has been with Pennoni for the past twelve years, starting as a co-op student and returning as a full-time engineer following his graduation from Drexel University in 2010 with both his Bachelor of Science in Architectural Engineering and Master of Science in Civil Engineering degrees, with Magna Cum Laude honors. He specializes in bridge and structural design, inspection and load rating analysis for bridges, and design of retaining walls and related earth-retention structures. Among his recent projects are the Crum Creek Viaduct replacement on SEPTA's Media-Elwyn Regional Rail line, the replacement of overhead structures on the Vine Street Expressway in Center City, and the award-winning Lock Street bridge spanning the Manayunk Canal in northwest Philadelphia.



Jesse is a member and supporter of several professional organizations and institutes, including the Engineers' Club of Philadelphia (ECP), American Society of Highway Engineers, Pennsylvania Society of Professional Engineers, Structural Engineering Institute, and Women's Transportation Seminar. He is most active in the Philadelphia Section of the American Society of Civil Engineers (ASCE). He has served in several capacities in the Section's Younger Member Forum (YMF) since 2011, and is leading the YMF this year as its President. One of the more significant achievements of his YMF tenure, though, remains the co-founding of the Civil Engineering Club at the Chester A. Arthur School in South Philadelphia in 2012. The Club was the first such group in Pennsylvania and the first nationally to work with middle school students. It is currently in its eighth year and has seen over 60 students participate in the weekly afterschool program to learn about all the various disciplines of civil engineering. He is also active at the National level of ASCE on its Committee on Younger Members (CYM).

Jesse is passionate about student outreach and increasing public awareness of the engineering professions. He strives to have students realize the diverse opportunities available in the STEM fields. In addition to the Civil Engineering Club, he has organized numerous outreach events at local schools, reaching hundreds of students. Most recently, he began a partnership with the new Science Leadership Academy Middle School in West Philadelphia to lead a six-week, project-focused mini-course to 5th and 6th graders, on behalf of Pennoni. He has written about these experiences and given presentations to both ASCE and ECP members on best practices for STEM outreach.

Jesse feels fortunate to have very supportive family and friends. His mother is a teacher and was especially encouraging of his interest in the STEM-related classes, finding unique ways to work science and math into his childhood, particularly through cooking. He is especially appreciative of his wife, Christina, and daughter, Sadie, for all the opportunities and support they have provided him. They are residents of Havertown.

ENGINEERS WEEK OPENING CEREMONY THURSDAY, FEBRUARY 13

DoubleTree by Hilton Philadelphia Center City
237 S. Broad Street (at Locust Street)
5:00 PM Networking, Awards and Affiliates Showcase
6:00 PM Dinner
Program and Awards Following Dinner

2020 Engineers Week in the Delaware Valley kicks off with the Opening Ceremony dinner in the spacious and elegant Ormandy Ballroom on the ground floor at the DoubleTree Hotel.

Formal festivities will begin with networking, featuring a cash bar, at 5:00 PM. Recipients of various Engineers Week awards and scholarships and sponsoring affiliate societies will be on hand with display boards during the networking session to showcase their honors and groups.

Our 2020 Delaware Valley Engineer of the Year **Stephen Hall** will be formally introduced at the Opening Ceremony. Mr. Hall and our 2020 Delaware Valley Young Engineer of the Year, **Jesse Gormley**, will make brief remarks and kick off the celebration of Engineers Week in the Delaware Valley.

In addition to the Engineer of the Year and Young Engineer of the Year, we will recognize other recipients of Engineers Week honors:

- Outstanding Service to Engineering Award
- Engineers Week Scholarships
- Student Paper Competition winners
- Outstanding High School Students
- Delaware Valley Science Fairs Award winners
- Outstanding High School Teachers Award recipients

Individual and project award recipients honored in the past year by the various engineering and technical societies and affiliates in the Delaware Valley will be cited in the event PowerPoint and program.

Price - \$80 for reservations received on or before February 5 (\$60 for government agency employees and students). *Prices increase for reservations made on February 6 and after.*

Tables of 10 are available at \$750. Please indicate each attendee's name and meal choice when making reservations.

An affiliate society sponsorship rate is also available. Please visit our website for more information and details on this.

Meal selections are available as follows (please select one when registering):

- *Wild salmon with grilled asparagus, jasmine rice and brown garlic scallions*
- *Crispy airline chicken breast with maple mustard, brandied cherries, pommes puree and spicy broccoli crowns*
- *Creamy butternut squash risotto (vegetarian)*

Discount parking is available in the hotel garage. Validation will be available at the registration table at the event. Please note the garage is a CASH ONLY facility.

YOUNG ENGINEERS SOCIAL TUESDAY, FEBRUARY 18

Brickwall Tavern
1213 Sansom Street, Center City
6:00 PM to 9:00 PM

This event is geared specifically to young engineers (both in age and at heart) to socialize, catch up, network and enjoy finger foods and drinks in an informal setting.

As part of the evening's festivities, **Jesse Gormley**, our 2020 Delaware Valley Young Engineer of the Year, will be recognized and make brief remarks.

Price - \$36 for reservations received on or before February 5 (\$25 for government agency employees and students). *Prices increase for reservations made on February 6 and after.*

FOR RESERVATIONS:

OPENING CEREMONY

www.engrclub.org/registerDVEW

YOUNG ENGINEERS SOCIAL

www.engrclub.org/registerYES

As a reminder, reservations are due for each event by February 5. Prices will increase for reservations made on February 6 and after and will be on a space-available basis.

Payment can be made electronically as part of the registration process or separately by check.

Please make checks payable to
Engineers' Club of Philadelphia.

Checks can be brought to the events or mailed in advance. Mail should be directed to

Engineers' Club of Philadelphia
PO Box 38561
Philadelphia, PA 19104

If you have any questions on this or require additional information, please contact us through the Contact Us tab at our website, www.engrclub.org.

Payment will be expected for all reservations regardless of attendance.

Please visit www.engrclub.org and select the DVEW tab for more information on award recipients, events, directions and parking.

Please provide names for all attendees at least two days prior to the event. Pre-printed name tags will be available at the event registration tables.

Please keep in mind that certain levels of contributions to Engineers Week include complimentary event ticket(s). More information is provided on the Engineers Week Sponsorship brochure, available at www.engrclub.org. Contributions to Engineers Week are accepted, encouraged and appreciated.

Please be sure to pick up a copy of the special Philadelphia Business Journal's Engineers Week Supplement, which will be available at the events.

